

Serial No. 10/814,165

Docket No. K-0630

Amdt. dated October 17, 2007

Reply to Office Action of July 17, 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A hermetic compressor, comprising:

a hermetic container having an enclosed space formed therein;

a motor part provided in the hermetic container ~~for converting an electric energy into a kinetic energy;~~

a compression part ~~connected~~ coupled to the motor part ~~for compressing, wherein the compression part compresses~~ low temperature, low pressure refrigerant into high temperature, high pressure refrigerant;

a discharge muffler positioned adjacent to the compression part ~~for attenuating, wherein the discharge muffler attenuates noise of generated by the refrigerant as it is compressed into high temperature and high pressure;~~

a discharge pipe ~~passed that extends through one a side of the hermetic container for discharging the refrigerant to an outside of the compressor; and~~

a loop pipe ~~of a synthetic resin between that extends from the discharge muffler and to the discharge pipe, wherein refrigerant discharged from the discharge muffler flows through the loop pipe and is discharged from the hermetic container through the discharge pipe; and~~

at least one transit tube coupled to an end of the loop pipe, wherein the at least one

transit tube at least partially surrounds an outer circumferential surface of the end of the loop pipe.

2. (Currently Amended) The hermetic compressor as claimed in claim 1, wherein the loop pipe is ~~not at least once~~ made of a synthetic resin material and includes a plurality of bends.

3. (Cancelled)

4. (Currently Amended) The hermetic compressor as claimed in claim 31, wherein the ~~at least one transit tubes are fitted to both ends of the loop pipe, respectively~~ comprises a first transit tube coupled to a first end of the loop pipe, at a coupling between the first end of the loop pipe and the discharge muffler, and a second transit tube coupled to a second end of the loop pipe, at a coupling between the second end of the loop pipe and the discharge pipe.

5. (Currently Amended) The hermetic compressor as claimed in claim 31, wherein the ~~at least one~~ transit tube is formed ~~made of a metal material.~~

6. (Currently Amended) The hermetic compressor as claimed in claim 42, wherein the synthetic resin material is Teflon.

7. (Currently Amended) The hermetic compressor as claimed in claim 4~~2~~, wherein the synthetic resin material has ~~elasticity for absorbing an elastic quality that absorbs~~ vibration ~~from generated by~~ the compressor.

8. (Currently Amended) The hermetic compressor as claimed in claim 1, wherein the hermetic container includes;

a lower container having a downward hollow; and

an upper container positioned on an upper rim of the lower container so as to form the enclosed space therebetween.

9. (Currently Amended) The hermetic compressor as claimed in claim 8, wherein the lower container has a hole ~~at~~ extending through one side having a to receive the discharge pipe fitted therethrough.

10. (Currently Amended) The hermetic compressor as claimed in claim 1, wherein the motor part includes;

a stator provided in a lower part portion of an inside of the enclosed space formed in the hermetic container;

a rotor ~~inserted to an inside of~~ rotatably coupled to the stator for rotating upon reception of a power; and

a rotation shaft ~~passed~~that extends through a central ~~part~~portion of the rotor and ~~projected~~projects upward from the rotor by a predetermined length.

11. (Currently Amended) The hermetic compressor as claimed in claim ~~4~~10, wherein the rotation shaft includes an eccentric part ~~in~~provided at a top part~~end thereof, wherein the~~
eccentric part is eccentric from a rotation axis of the rotation shaft.

12. (Currently Amended) The hermetic compressor as claimed in claim 10, wherein the rotation shaft includes a balance weight ~~in the upper part~~provided at an upper portion thereof for stabilizing, wherein the balance weight helps to stabilize a rotation speed of the rotation shaft.

13. (Currently Amended) The hermetic compressor as claimed in claim 10, further comprising a plurality of springs provided under the stator for absorbing, wherein the plurality of springs absorb vibration generated during operation of the compressor.

14. (Currently Amended) The hermetic compressor as claimed in claim 1, wherein the compression part includes;

a cylinder having a space formed therein for compressing ~~the~~ refrigerant;

a piston ~~for reciprocating~~that reciprocates along an ~~inside~~inner circumferential surface of

the space formed in the cylinder;

a valve assembly ~~for controlling~~that controls suction of refrigerant ~~suction into/ and~~
discharge of refrigerant from ~~an inside of the~~ space formed in the cylinder; and

a connecting rod ~~for converting~~that converts a rotation force ~~of generated by~~ the motor
part into a reciprocating movement, ~~and transmitting~~ transmitted to the piston.

15. (Currently Amended) The hermetic compressor as claimed in claim 14, further comprising a cylinder block positioned over the motor part ~~having, wherein~~ the cylinder ~~formed~~ is provided on one side of an upper surface of the cylinder block, as ~~one a single~~ unit with the cylinder block.

16. (Currently Amended) The hermetic compressor as claimed in claim 14, wherein the valve assembly ~~further includes a head cover for isolating~~that isolates refrigerant being drawn into the cylinder, from refrigerant being discharged from the cylinder.

17. (Currently Amended) The hermetic compressor as claimed in claim 1, further comprising a pseudo-discharge muffler ~~on an opposite~~positioned at a side of the discharge ~~muffler with reference to the compression part which is opposite the side at which the discharge~~ muffler is positioned.

18. (Currently Amended) The hermetic compressor as claimed in claim 18, further comprising supporting parts provided on opposite side parts of an underside sides of a bottom surface portion of the lower container.

19-20. (Cancelled)

21. (New) The hermetic compressor as claimed in claim 1, wherein the at least one transit tube reinforces a coupling between an end of the loop pipe coupled to the discharge muffler, or between an end of the loop pipe coupled to the discharge pipe, so as to prevent breakage of the loop pipe due to vibration generated during operation of the compressor.

22. (New) The hermetic compressor as claimed in claim 1, wherein the at least one transit tube forms a seal at a coupling between an end of the loop pipe coupled to the discharge muffler, or at an end of the loop pipe coupled to the discharge pipe, so as to prevent heat generated during operation of the compressor from being emitted therethrough.

23. (New) The hermetic compressor as claimed in claim 17, wherein the pseudo-discharge muffler acts as a balance weight for the discharge muffler.